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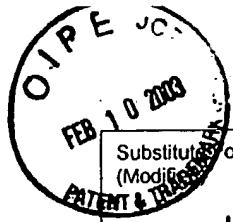
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Sheet 1 of 1

Substitute Form PTO-1449  
(Modified 10-2000)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
10449-030001

Application No.  
09/748,509

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Koji Hayashi et al.

Filing Date  
December 26, 2000

Group Art Unit  
2653

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
KL	AL	1998-028125	15.07.98	Korea				
KL	AM	1999-024893	06.04.99	Korea				
KL	AN	63-52393	05.03.88	Japan				
KL	AO	H11-66745	09.03.99	Japan				
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature

*Kim Chin*

Date Considered

*7/22/04*

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-030001	Application No. 09/748,509
Information Disclosure Statement by Applicant MAR 15 2004 (Use several sheets if necessary) (37 CFR §1.98)		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2651 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
LC	AA	5,317,553	05/31/94	Ohga et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
LC	AB	4-103079	04/06/92	Japan (corresponds to U.S. 5,317,553, enclosed)	/	/	

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
LC	AC	Abstract for Japanese Patent No. JP1312736, Publication Date December 18, 1989, Title: Optical Disk Device and Optical Disk					
LC	AD	Abstract for Japanese Patent No. JP3260958, Publication Date: November 20, 1991, Title: Optical Disk Device					
LC	AE	Abstract for Japanese Patent No. JP6076401, Publication Date: March 18, 1994, Title: Magneto-Optical Recording Method for Magneto-Optical Disk of Large Heat Time Constant, Recording Device and Magneto-Optical Disk					
LC	AF	Abstract for Japanese Patent No. JP6162511, Publication Date: June 10, 1994, Title: Recording Method for Optical Disk Employing Draw Type Disk Recording Device					
LC	AG	Abstract for Japanese Patent No. JP10241165, Publication Date: September 11, 1998, Title: Pulse Generating Circuit and Optical Disc Driver					

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Examiner Signature <i>Kim Ohn</i>	Date Considered 7/2/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

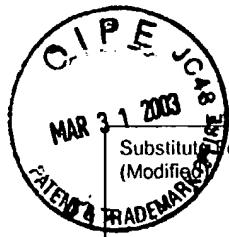
Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10449-030001	Application No. 09/748,509
<b>Information Disclosure Statement</b> <b>by Applicant</b> <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small>		<small>RECEIVED</small> <small>MAR 21 2002</small>		Applicant Koji Hayashi et al.	
				Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
LC	AA	5,220,545	06/15/1993	Tomimitsu	/	/	
LC	AB	5,289,440	02/22/1994	Bakx	/	/	
LC	AC	5,436,875	07/25/1995	Shinada	/	/	
LC	AD	5,491,677	02/13/1996	Sasaki	/	/	
LC	AE	5,532,991	07/02/1996	Sasaki	/	/	
LC	AF	5,745,445	04/28/1998	Yasukohchi et al.	/	/	RECEIVED
LC	AG	5,815,472	09/29/1998	Kuroda et al	/	/	MAR 25 2002
LC	AH	5,818,801	10/06/1998	Watanabe et al.	/	/	Technology Center 2000
LC	AI	5,953,291	09/14/1999	Yasukohchi et al.	/	/	
LC	AJ	6,055,216	04/25/2000	Shintani	/	/	
LC	AK	6,115,337	09/05/2000	Takagi et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications							
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	AL						
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Other Documents (include Author, Title, Date, and Place of Publication)		
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Examiner Signature <i>Kim Chan</i>	Date Considered <i>7/22/04</i>
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Sheet 1 of 1

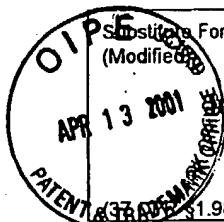
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-030001	Application No. 09/748,509
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Koji Hayashi et al.	
(37 CFR §1.98(b))		Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
LC	AA	5,305,298	04/19/1994	Tsuneshi Yokota	/	/	
LC	AB	5,910,935	06/08/1999	Hirihito Takagi et al.	/	/	
LC	AC	6,208,599	03/27/2001	Misao Fukuda	/	/	RECEIVED
LC	AD	6,438,083	08/20/2002	Jacobus P.C. Kroon	/	/	APR 03 2003
LC	AE	6,487,616	11/26/2002	Koji Hayashi	/	/	Technology Center 2600
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Foreign Patent Documents or Published Foreign Patent Applications							
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LC	AL	11-259982	24.09.1999	Japan	/	/	
LC	AM	0 974 966	26.01.2000	EPO	/	/	
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Other Documents (include Author, Title, Date, and Place of Publication)							
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	AQ						
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(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10449-030001Application No.  
09/748,509
**Information Disclosure Statement**  
 by Applicant  
 (Use several sheets if necessary)
Applicant  
Koji Hayashi et al.Filing Date  
December 26, 2000Group Art Unit  
2653**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,212,678	05/18/93	Roth et al.			
	AB	5,463,607	10/31/95	Roth et al.			
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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	AN	3-228266	10/09/91	Japan			X
	AO	2-226066	09/05/90	Japan			X
	AP	2000-40302	02/08/00	Japan			X
	AQ	10-49990	02/20/98	Japan			X
	AR	10-63493	03/06/98	Japan			X

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AS	
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Examiner Signature

Date Considered

7/2/04

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10449-030001Application No.  
09/748,509Information Disclosure Statement  
by Applicant  
(Use several sheets if necessary)Applicant  
Koji Hayashi et al.Filing Date  
December 26, 2000Group Art Unit  
2651 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
KL	AA	5,010,534	04/23/91	Enari et al.	/	/	
KL	AB	5,477,516	12/19/95	Takezawa		/	
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Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
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Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
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Examiner Signature <i>Kim Chin</i>	Date Considered <i>2/22/04</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-030001	Application No. 09/748,509
<b>Information Disclosure Statement</b> <b>by Applicant</b> <small>(Use several sheets if necessary)</small>			
<b>Applicant</b> <b>Koji Hayashi et al.</b>			
<b>Sending Date</b> <b>December 26, 2000</b>		<b>Group Art Unit</b> <b>2653</b>	
<small>(37 CFR §1.98(b))</small>			

### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
KK	AA	4,507,767	03/26/85	Takasugi	/	/	
CC	AB	4,546,462	10/08/85	Koishi et al.	/	/	RECEIVED
CC	AC	4,800,548	01/24/89	Koishi et al.	/	/	JUL 29 2002
CC	AD	4,831,611	05/16/89	Sasaki et al.	/	/	
CC	AE	4,858,219	08/15/89	Yoshikawa	/	/	Technology Center 2600
CC	AF	5,161,144	11/03/92	Takeuchi et al.	/	/	
CC	AG	5,170,389	12/08/92	Numata et al.	/	/	
CC	AH	5,521,893	05/28/96	Yamasaki et al.	/	/	
CC	AI	5,682,366	10/28/97	Yamanaka et al.	/	/	

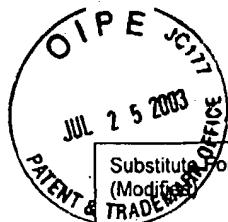
### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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Examiner Signature <i>Kim Chu</i>	Date Considered <i>7/22/04</i>
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Sheet 1 of 1

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-030001	Application No. 09/748,509
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2651 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
KK	AA	6,084,731	Jul. 4, 2000	Uchida et al.			
	AB						
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	AE						JUL 28 2003
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Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
	AL						
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Other Documents (include Author, Title, Date, and Place of Publication)							
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Examiner Signature Kim Chu	Date Considered 7/22/04
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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-030001	Application No. 09/748,509
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Koji Hayashi et al.		PCT 01 2001 2653
(37 CFR §1.98(b))		Filing Date December 26, 2000	Group Art Unit	

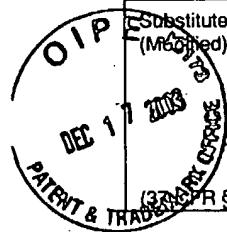
U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
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le	AB	5,463,607	10/31/95	Roth et al.	/	/	
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Foreign Patent Documents or Published Foreign Patent Applications							
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le	AM	3-228266	10/09/91	Japan	/	/	X
le	AN	2-223066	09/05/90	Japan	/	/	X
le	AO	2000-40302	02/08/00	Japan	/	/	X
le	AP	10-49990	02/20/98	Japan	/	/	X
le	AQ	10-63433	03/06/98	Japan	/	/	X

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
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	AT						
	AU						

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		Filing Date December 26, 2000	Group Art Unit 2651 2853

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>cc</i>	AA	6,584,053	06/24/03	Tsukihashi			
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	AC						DEC 18 2003
	AD						
	AE						Technology Center 2600
	AF						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
<i>cc</i>	AG	408147879A	06/07/96	Japan			

Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document					
<i>cc</i>	AH	Japan registered publication no. 2842262, equivalent to above noted document AG					
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	AJ						
	AK						

Examiner Signature <i>Kim Chin</i>	Date Considered <i>7/22/04</i>
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